

FIG. 2

2/8

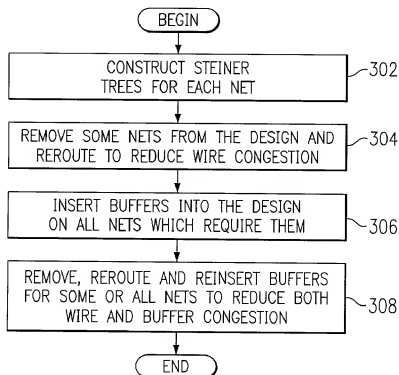


FIG. 4A

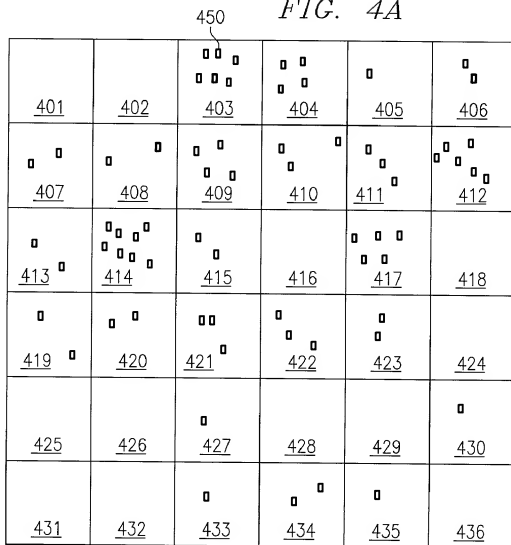
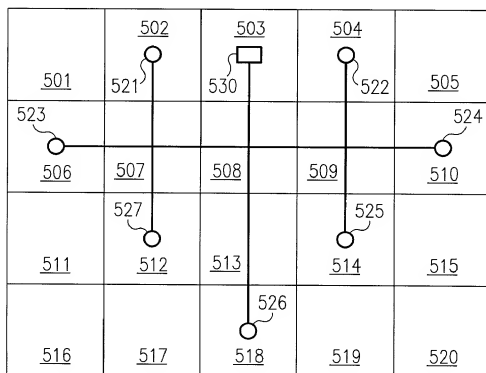


FIG. 4B 3/8

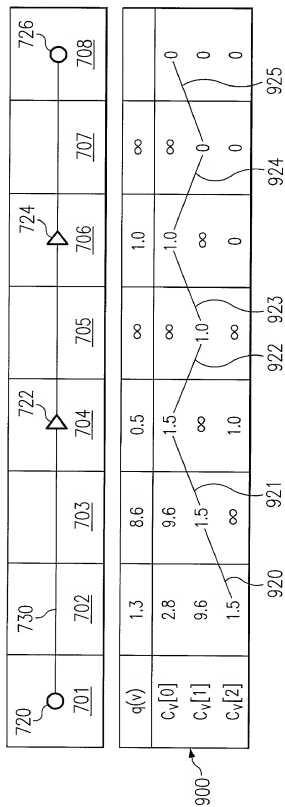
0 <u>401</u>	0 <u>402</u>	6 <u>403</u>	4 <u>404</u>	1 <u>405</u>	2 <u>406</u>
2 <u>407</u>	2 <u>408</u>	4 <u>409</u>	3 <u>410</u>	3 <u>411</u>	6 <u>412</u>
2 <u>413</u>	8 <u>414</u>	2 <u>415</u>	0 <u>416</u>	5 <u>417</u>	0 <u>418</u>
2 <u>419</u>	2 <u>420</u>	3 <u>421</u>	3 <u>422</u>	2 <u>423</u>	0 <u>424</u>
0 <u>425</u>	0 <u>426</u>	1 <u>427</u>	0 <u>428</u>	0 <u>429</u>	1 <u>430</u>
0 <u>431</u>	0 <u>432</u>	1 <u>433</u>	2 <u>434</u>	1 <u>435</u>	0 <u>436</u>

FIG. 5



5/8

FIG. 9



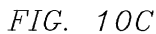
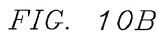
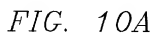


FIG. 11

1100

1. PICK AN UNVISITED NODE v SUCH THAT ALL DESCENDANTS OF v HAVE BEEN VISITED
 WHILE $v \neq S$ DO
2. IF v IS A SINK THEN
 SET $C_v[j] = 0$ FOR $1 \leq j < L_j$
3. IF v HAS ONE CHILD $l(v)$ THEN
 FOR $j = 1$ TO $L_j - 1$ DO
 SET $C_v[j] = C_{l(v)}[j - 1]$
 SET $C_v[0] = q(v) + \min\{C_{l(v)}[j] \mid 0 \leq j < L_j\}$
4. IF v HAS TWO CHILDREN $l(v)$ AND $r(v)$ THEN
 - 4.1 FOR $j = 2$ TO $L_j - 1$ DO
 SET $C_v[j] = \min\{C_{l(v)}[j] + C_{r(v)}[j_r] \mid j_l + j_r + 2 = j\}$
 - 4.2 SET $C_v[0] = q(v) + \min\{C_{l(v)}[j_l] + C_{r(v)}[j_r] \mid j_l + j_r + 2 \leq L_j\}$
 - 4.3 SET $C_v[1] = \infty$
 - 4.4 FOR $j = 1$ TO $L_j - 1$ DO
 SET $C_v[j] = \min\{C_v[j], q(v) + C_{l(v)}[j - 1], q(v) + C_{r(v)}[j - 1]\}$
5. MARK v AS VISITED
 PICK AN UNVISITED NODE v SUCH THAT ALL DESCENDANTS OF v HAVE BEEN VISITED
6. RETURN $\min\{C_s[j] \mid 0 \leq j < L_j\}$

8/8

FIG. 12

